



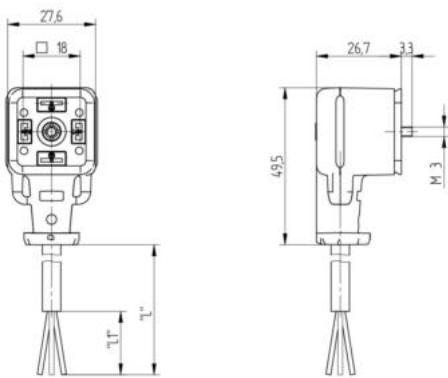
Product: [GAN22LU-D24-212](#)

GAN - Molded Female Cordset, Form A, Contacts: 2+2PE, with Recovery Diode (FRD) and YE LED, 24 V | 6 A, IP67; PVC Black, 3x0.50mm² (20AWG)

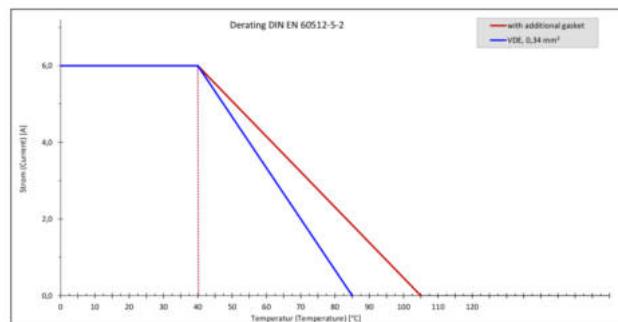
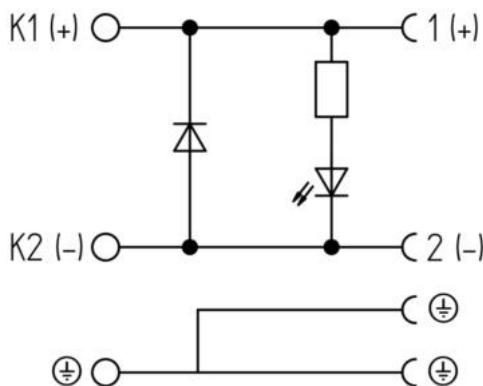
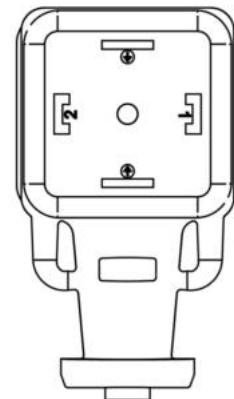
Product Description

175301-803-A (DIN 43650-A): Single-Ended Female Cordset, Contacts: 2+2PE, with Recovery Diode (FRD) and Yellow LED, 24 V | 6 A, IP67; Cable: PVC Black, IEC, 3x0.50mm² (20AWG)

Technical Drawing



GAN22



Technical Specifications

Product Life Cycle

| | |
|---------------|--------|
| Availability: | Active |
|---------------|--------|

Face View

| Pin 1 | Pin 2 | PE1 | PE2 |
|-------|-------|--------------|--------------|
| brown | blue | green-yellow | green-yellow |

Technical Data

| | |
|-----------------------------------|---|
| Product Family: | Valve Connectors |
| Product Sub Family: | GAN |
| Brand: | Hirschmann |
| Connector Type: | Cordset, single ended |
| Type of Contact / Gender: | Female |
| Connector Design: | Angled |
| Number of Pins: | 2+2 PE |
| Coding: | A |
| Shielding: | Unshielded |
| Attachment Type: | Central Screw |
| Rated Voltage: | 24 V |
| Rated Impulse Voltage: | 4.0 kV (PCBA 2.0 kV) |
| Operating Voltage: | 24 V DC |
| Rated Current*: | 6 A |
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10^9 Ohm |
| Mating Cycles: | ≤ 50 |
| Ambient Temperature (Operation)*: | -25 °C - +85 °C [Extended Temperature -40 °C - +105 °C with additional gasket accessory, 934887001] |
| Protection Degree / IP Rating**: | IP65, IP67* |
| Design Standard: | DIN EN 175301-803-A, ISO 4400 |
| Pollution Degree: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Clearance / Creepage Distance: | DIN EN 60664-1 (2008/01); VDE 0110-1 |
| Overvoltage Category: | III acc. to DIN EN 60664-1 (VDE 0110-1) |

Materials

| | |
|--------------------------------------|---------------------------|
| Contact Base Material: | CuZn |
| Contact Plating: | Cu/Sn |
| Contact Bearer Material: | PA GF |
| Contact Bearer Color: | black |
| Flammability Class (Contact Bearer): | UL 94 V-0 |
| Molded Body Material: | TPE |
| Molded Body Color: | Grey translucent |
| Flammability Class (Molded Body): | UL 94 HB |
| Attachment Material: | Steel, Philips combi slot |
| Gasket Material: | Molded Integrated Gasket |

Protection Circuitry

| | |
|---------------------|----------------------|
| Function Indicator: | Yellow LED |
| Protective Circuit: | Recovery Diode (FRD) |

Additional Technical Data

| | |
|----------------------------------|--|
| Fastening Torque (Attachment): | (50-60) Ncm |
| Accessories to Order Separately: | 934887001 - GAN EPDM gasket and holding clip |

Cable Data

| | |
|---|---------------------|
| Cable Number: | 212 |
| Conductor Size: | 0.5 mm ² |
| Number of Wires: | 3 |
| Minimal Bending Radius (Fixed Inst): | > 5 x D |
| Minimal Bending Radius (Flexible Inst): | > 10 x D |
| Conductor material: | Cu |
| Cable Jacket Material: | PVC |
| Cable Jacket Color: | black |
| Cable Diameter D: | ø 5.0 ± 0.2 mm |
| Wire Insulation Material: | PVC |

| | |
|---|--|
| Insulated Wire Diameter: | ø 1.70 mm |
| Ambient Temperature (Fixed Installation): | - 40 °C - + 70 °C |
| Ambient Temperature (Flex Installation): | + 5 °C - + 70 °C |
| Flammability Class (Cable Jacket): | DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2 |
| Cable Characteristics: | Free of lacquer wetting disturbing substances; Exclusion of silicone |

Approvals

| | |
|------|-----|
| VDE: | yes |
|------|-----|

Safety & Environmental Compliance

| | |
|-----------------|-----|
| RoHS Compliant: | yes |
|-----------------|-----|

Resistances

| | |
|-----------------|----------------------------------|
| Halogenfree: | no |
| Oil Resistance: | Good chemical and oil resistance |

Notes

| | |
|-------------------------------------|--|
| Note Derating: | Notice derating |
| Protection Degree / IP Rating Note: | *IP Rating test performed by Belden with Belden Connectors only |
| Note: | 1. Do not connect or disconnect under load. 2. Extended temperature range of -40°C performed by Belden in mated condition using EPDM gasket accessory. |

Variants

| Item # | Item Description | Cable Length |
|-----------|-------------------------|--------------|
| 934889012 | GAN22LU-D24-2120200-1UC | 2 m |
| 934889013 | GAN22LU-D24-2120500-1UC | 5 m |
| 934889014 | GAN22LU-D24-2121000-1UB | 10 m |

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